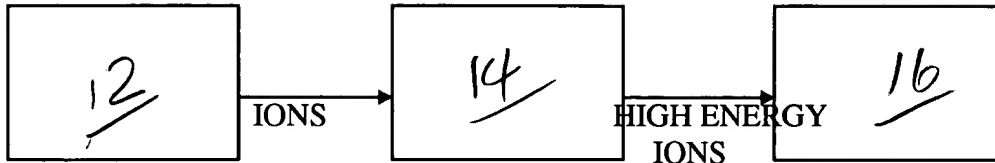


10 ↘

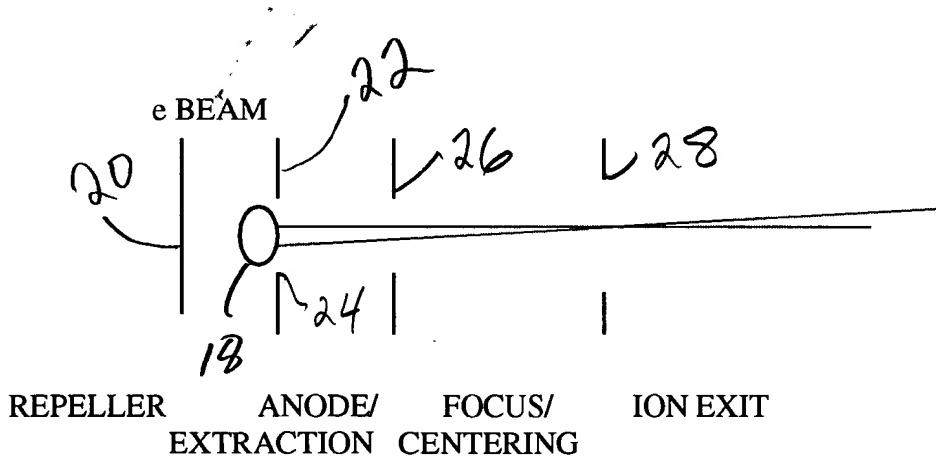


HIGH CURENT ELECTRON
BOMBARDMENT ION SOURCE

HIGH VOTLAGE
ACCELERATOR

THERMONUCLEAR
TARGET

Fig. 1



12 ↗

Fig. 2

source chamber output current Vs. pressure for
air(residual vacuum) and deuterium for 1mm and 3mm exit
slits

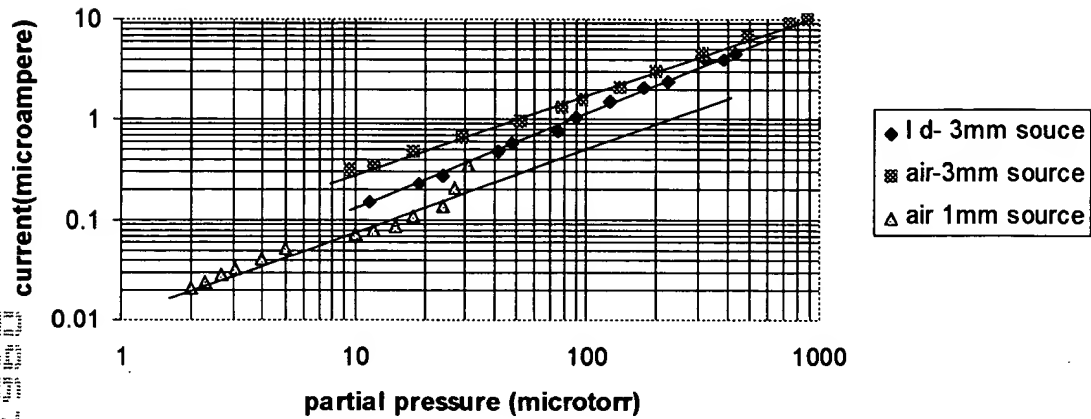


Fig. 3

d+ and d2+ occluded target yields Vs. acceleration voltage

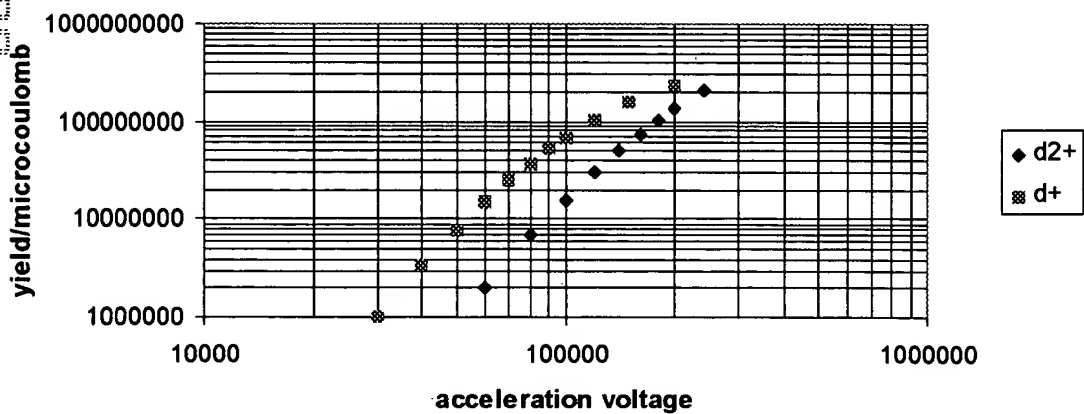
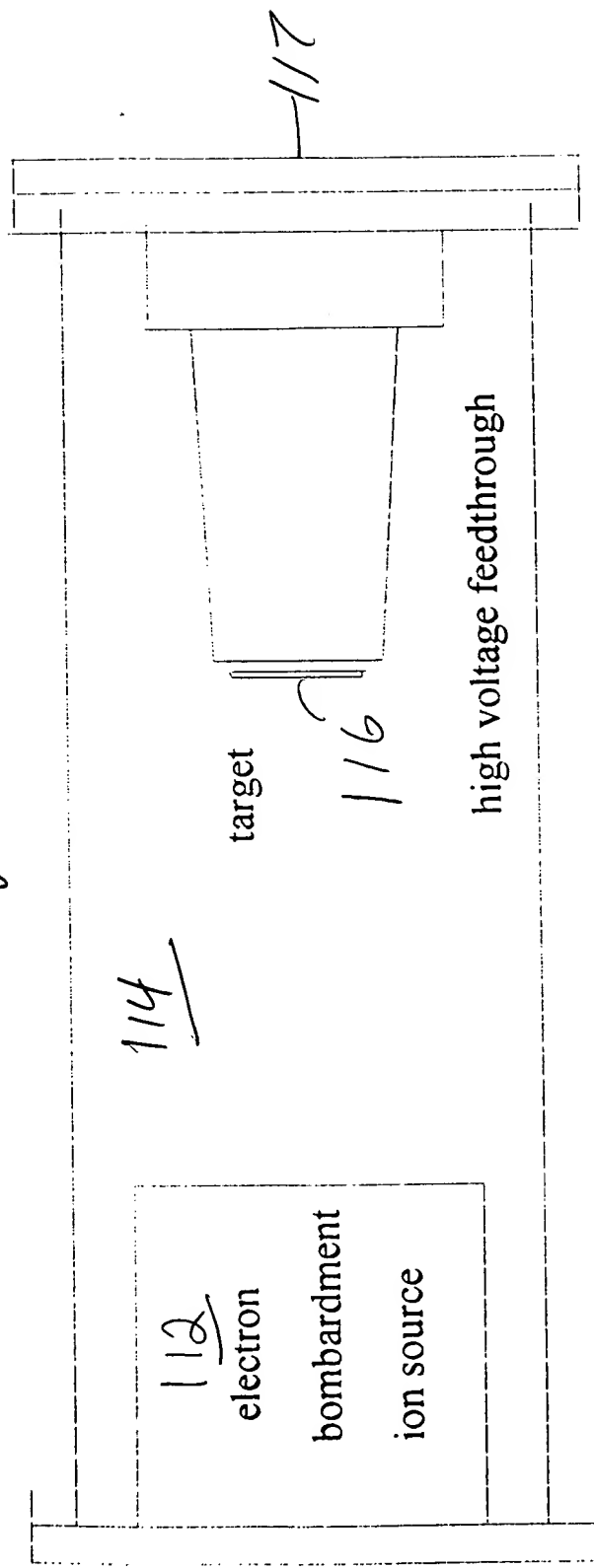


Fig. 4

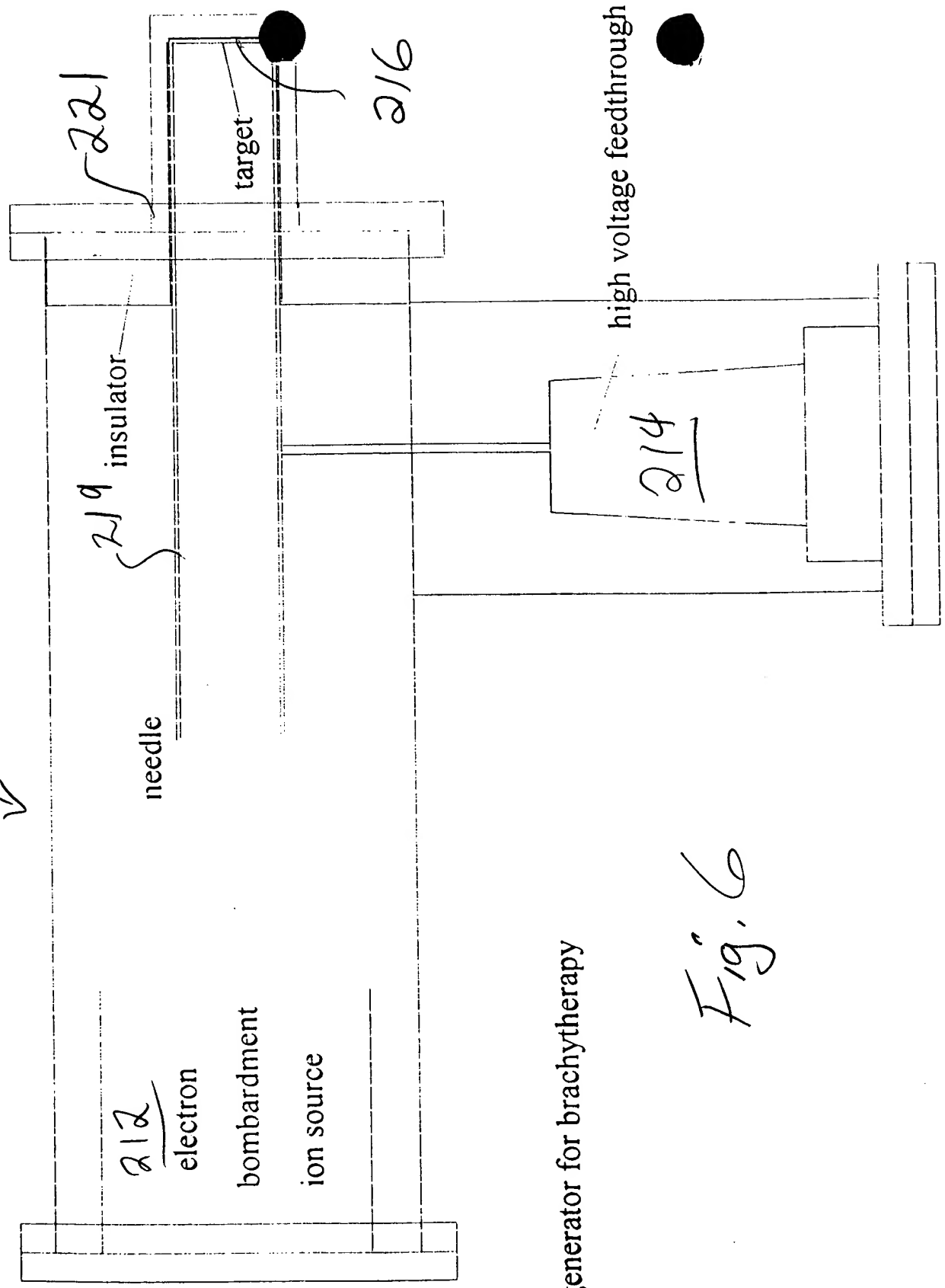
110



portable neutron generator for field use

Fig. 5

2010-07-27



neutron generator for brachytherapy

Fig. 6

tissue neutron rate (nGy/hour @ 1cm) Vs. neutron emission rate

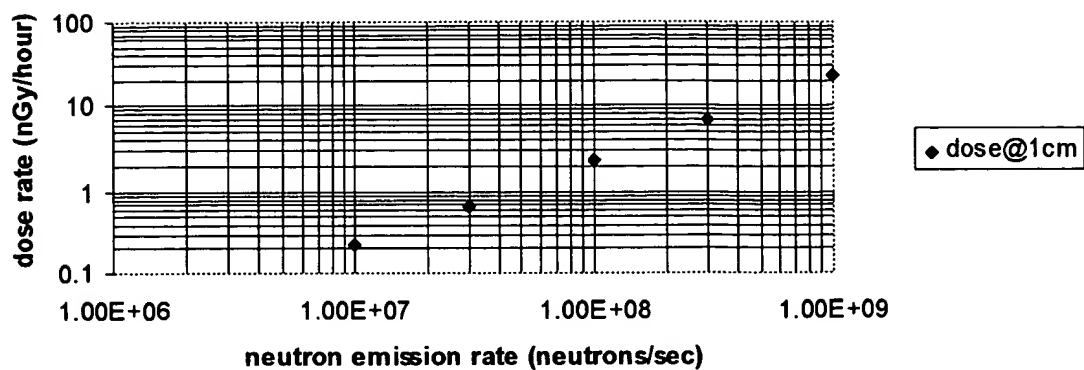


Fig. 7

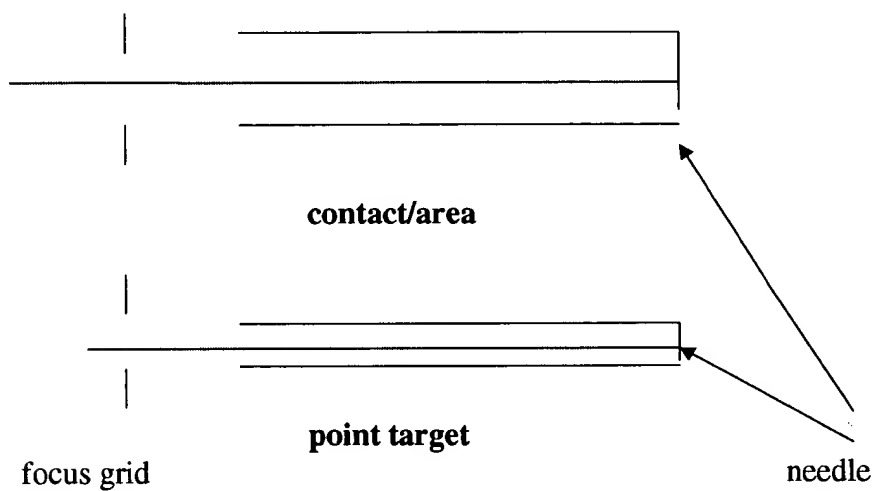


Fig. 8

normalized neutron fluence Vs. source to target distance

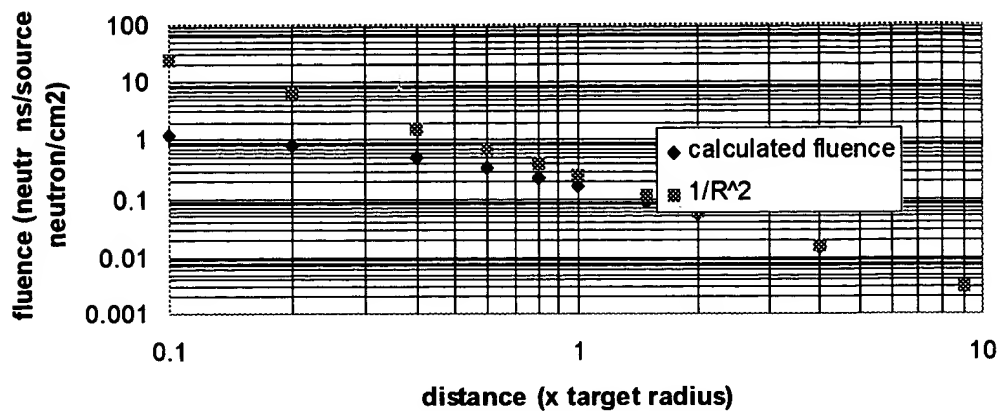


Fig. 9

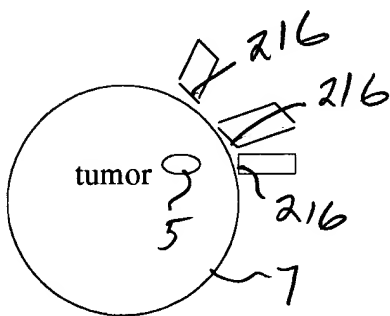


Fig. 10